

CLAIMS

What is claimed is:

1. An injection syringe with seal structure comprising:

5 a hollow barrel comprising an axial extension at the top, and the
inside of axial extension having a positioning spring at the top and a seal
spring at the bottom;

a needle seat depositing inside of the axial extension and comprising
a bulge loop at the bottom and a needle head seat which has a syringe
needle, and the outside of needle head seat comprising a plurality of
10 positioning sheets which has channels for coupling to the positioning
spring; and

a plunger placed in the hollow barrel and comprising a fastening seat
which has a piston, and the piston comprising a hole for placing a
cylindrical column of the fastening seat, wherein the top of cylindrical
15 column has a plurality of flukes for conjugating to the bulge loop.

2. The injection syringe with seal structure as claim 1, wherein the
plane being a conjunction plane between the hollow barrel and the
axial extension comprises at least one piercer depositing inside of it.

3. The injection syringe with seal structure as claim 1, wherein the axial
20 extension comprises an upper channel and a lower channel for
forming the positioning spring and the seal spring.

4. The injection syringe with seal structure as claim 1, wherein the
upper of the channel of positioning sheet comprises a pressing
channel.

25 5. The injection syringe with seal structure as claim 1, wherein the
fastening seat comprises a plurality of fastening channels at the

outside for coupling to a plurality of bulge rings at the inside of the piston.

6. The injection syringe with seal structure as claim 1, wherein the upper surface of cylindrical column has an inclined plane.
- 5 7. The injection syringe with seal structure as claim 1, wherein the side of fastening seat comprises an axial channel.
8. The injection syringe with seal structure as claim 1, wherein the top of plunger comprises an opening to couple to the fastening seat and to easily break the plunger after using.
- 10 9. The injection syringe with seal structure as claim 1, wherein the bottom of plunger comprises a flange.
10. The injection syringe with seal structure as claim 9, wherein the shape of flange is the arc.